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CARTOGRAPHIC EVALUATION OF SKYLAB-S-192 SCANNER IMAGES

EREP Investigation Number 497

Period Covered: 1 May 1974 - 31 July 1974

NASA Purchase Order T-4111B
Principal Investigations Management Office
Lyndon B. Johnson Space Center
Technical Monitor: Rigdon Joosten, Code TF6

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Quarterly Progress Report

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(a) Overall Status

Since the last quarterly report (1 February 1974 - 30 April 1974) the following data have been received:

<u>Data</u>	<u>Task Site</u>	<u>Location</u>	<u>Date Received</u>
SL3 S-192 Screening Film; Channels 2, 7, & 11	933669	Chesapeake Bay	May 20, 1974
SL4 S-192 Screening Film; Channels 6, 9, & 13	933136	San Francisco	May 22, 1974
SL4 S-190A 70mm positive transparencies; Mag 70, 71, & 72 Frames 348/357	933396	Sioux Falls	June 27, 1974
SL4 S-190A 70mm positive transparencies; Mag 76, 77, & 78 Frames 067/077	933136	San Francisco	June 27, 1974
SL4 S-190B 5 in. positive transparencies; Mag 93; Frames 206/213	933396	Sioux Falls	July 17, 1974
SL4 A-190B 5 in. positive transparencies; Mag 92; Frames 333/334	933136	San Francisco	July 17, 1974

In addition to the above data, one SL4 Data Book for the S-192 system and four handouts from the EREP Principal Investigators Conference on July 16-18 have been received.

The S-192 screening film covering the San Francisco site was examined and radiometrically corrected imagery of channels 3, 5, and 7 and color composites of the same channels were ordered on May 28. This pass is the best quality S-192 data seen to date. Thus far none of the corrected S-192 imagery for this experiment has been received. The most recent information from the Technical Monitor indicates that these data should be available

in late summer. Further progress on this investigation is not possible until corrected S-192 data are received.

The period of performance for the investigation was extended to March 31, 1975.

(b) Action Required

NASA should expedite delivery of the S-192 radiometrically corrected and color composite film.

(c) Expected Accomplishments During Next Reporting Period

Assuming a late August or early September receipt of the S-192 imagery the following tasks will be accomplished during the next reporting period:

- 1). Detailed inspection and analysis of the S-192 imagery of the Chesapeake Bay, Phoenix and San Francisco test sites.
- 2). Selection and measurement of ground control point.
- 3). Initial computer processing of the data to evaluate the cartographic quality of the imagery.

(d) Significant Results

None.

(e) Summary Outlook for Remaining Effort

Further work will concentrate on task sites 933669 Chesapeake Bay, 933136 San Francisco, and alternate task site 933396 Phoenix. If the S-192 data is received early in the next reporting period initial evaluation of the data should be well along by the end of the reporting period.

(f) Travel Summary and Plans

No travel was done by the PI for this investigation during the reporting period and none is planned for the next quarter.